

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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## EAST Search History

L15	121	(US-20040201940-\$ or US-20050221638-\$).did. or (US-6796847-\$ or US-5473109-\$ or US-5242318-\$ or US-6646858-\$ or US-6506079-\$ or US-5790360-\$ or US-6731484-\$ or US-4690479-\$ or US-7037140-\$ or US-5362257-\$ or US-4918565-\$ or US-6923672-\$ or US-6794578-\$ or US-5286221-\$ or US-6678140-\$ or US-6893296-\$ or US-6383028-\$ or US-4242721-\$ or US-6411486-\$ or US-5969932-\$ or US-4791391-\$ or US-4761147-\$ or US-6379182-\$ or US-6329616-\$ or US-5984731-\$ or US-5457286-\$). did. or (US-6723928-\$ or US-6625000-\$ or US-5580270-\$ or US-6881898-\$ or US-6394854-\$ or US-5614696-\$ or US-6195244-\$ or US-5966282-\$ or US-6547604-\$ or US-5701227-\$ or US-6282075-\$ or US-6186834-\$ or US-5622524-\$ or US-7074092-\$ or US-6219252-\$ or US-4906209-\$ or US-4784618-\$ or US-5081434-\$ or US-6700455-\$ or US-5792988-\$ or US-5370555-\$ or US-6916209-\$ or US-6896557-\$ or US-4688135-\$ or US-5010438-\$ or US-5788087-\$ or US-5603640-\$). did. or (US-4653838-\$ or US-4643509-\$ or US-4931754-\$ or US-5299956-\$ or US-5953193-\$ or US-6456496-\$ or US-6840816-\$ or US-5716237-\$ or US-6994594-\$ or US-5627720-\$ or US-7019219-\$ or US-5739463-\$ or US-5844763-\$ or US-4679013-\$ or US-4673237-\$ or US-5999400-\$ or US-4729752-\$ or US-5456616-\$ or US-6777619-\$ or US-5547405-\$ or US-5513065-\$ or US-5157583-\$ or US-4960392-\$ or US-6030234-\$ or US-6749466-\$ or US-6776661-\$ or US-5456619-\$). did. or (US-5186647-\$ or US-6974352-\$ or US-6491547-\$ or US-5236376-\$ or US-4929196-\$ or US-5246387-\$ or US-5459443-\$ or US-5562498-\$ or US-6055147-\$ or US-RE33560-\$ or US-4407552-\$ or US-5658158-\$ or US-5704810-\$ or US-6594128-\$ or US-4744006-\$ or US-4894015-\$ or US-4959626-\$ or US-6042427-\$ or US-7052328-\$ or US-6932655-\$ or US-6695649-\$ or US-4262268-\$ or US-4600256-\$ or US-5599208-\$ or US-4930200-\$ or US-4853659-\$ or US-4126840-\$). did. or (US-4457574-\$ or US-6142831-\$ or US-5040950-\$ or	US-PGPUB; USPAT; DERWENT	OR	ON	2006/09/27 17:58
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## EAST Search History

L16	13	15 and adhes\$3 and bond\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 18:00
L17	3	15 and adhes\$3 and bond\$3 and cutout	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 18:00
S1	13	(US-6761585-\$ or US-6760218-\$ or US-6669513-\$ or US-6608764-\$ or US-6522737-\$ or US-6234830-\$ or US-6123577-\$ or US-5944535-\$ or US-5838548-\$ or US-5645434-\$ or US-5492478-\$ or US-5459643-\$ or US-4797124-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 09:38
S2	27	(US-6881898-\$ or US-6329616-\$ or US-5350310-\$ or US-6015307-\$ or US-5457286-\$ or US-6750410-\$ or US-4930047-\$).did. (US-5252086-\$ or US-6200159-\$ or US-6923684-\$ or US-6586849-\$ or US-6211581-\$ or US-6028267-\$ or US-6872086-\$ or US-4654756-\$ or US-5231562-\$ or US-5158472-\$ or US-4792881-\$ or US-6843669-\$ or US-4967041-\$ or US-6540554-\$ or US-6379182-\$ or US-6004157-\$ or US-5984731-\$ or US-6979209-\$ or US-6042426-\$ or US-7001211-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/25 19:07
S3	93485	"439"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/25 19:07
S4	4935	"439"/\$.ccls. and (jack)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/25 19:08
S5	687	"439"/\$.ccls. and (jack) and (rj)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/25 19:10
S6	3	"439"/\$.ccls. and (jack) and (rj) and (bus adj bar)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/25 19:10
S7	67	"439"/\$.ccls. and (jack) and (bus adj bar)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/25 19:17
S8	10	"439"/\$.ccls. and (jack) and (bus adj bar) and surge	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/25 19:17
S9	1	"6331938".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 14:11

## EAST Search History

S10	1843	(surge adj suppress\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 14:12
S11	0	(surge adj suppress\$3) and rj and (bus adj bar)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 14:12
S12	80	(surge adj suppress\$3) and (bus adj bar)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:41
S13	1	"6331938".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:05
S14	1	"6466434".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:05
S15	1	"5825618".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:06
S16	1	"5483467".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:07
S17	248	"33560"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:07
S18	3	re33560	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:09
S19	1	"6761585".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:09
S20	1	"6371780".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:09
S21	0	(surge adj suppress\$3) and (bus adj bar) and rj45	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:10
S22	0	(surge adj suppress\$3) and (bus adj bar) and rj-45	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:11
S23	11	(surge adj suppress\$3) and (bus adj bar) and jack	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:13
S24	1	"6123577".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:14

## EAST Search History

S25	1	"6039578".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:14
S26	1	"6765698".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:15
S27	1	"5765698".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:15
S28	1	"5944535".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:16
S29	1	"6227911".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:17
S30	1	"6522737".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:17
S31	1	"5788087".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:33
S32	537	361/715.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:41
S33	2820	rj adj "45"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:41
S34	0	(surge adj suppress\$3) and (bus adj bar) and (rj adj "45")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 15:42
S35	7	("3369214"   "3850497"   "4103985"   "4213013"   "4242721"   "T961003").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 15:46
S36	99	("4303296").URPN.	USPAT	OR	ON	2006/07/27 15:48

## EAST Search History

S37	73	(US-20030176100-\$).did. or (US-4303296-\$ or US-4712232-\$ or US-5383799-\$ or US-5466165-\$ or US-4239316-\$ or US-6761585-\$ or US-6760218-\$ or US-6669513-\$ or US-6608764-\$ or US-6123577-\$ or US-5944535-\$ or US-5838548-\$ or US-5492478-\$ or US-5459643-\$ or US-4797124-\$ or US-7001211-\$ or US-6979209-\$ or US-6881898-\$ or US-6872086-\$ or US-6843669-\$ or US-6750410-\$ or US-5158472-\$ or US-4930047-\$ or US-4792881-\$ or US-4654756-\$ or US-6540554-\$). did. or (US-6379182-\$ or US-6329616-\$ or US-6042426-\$ or US-6028267-\$ or US-6015307-\$ or US-6004157-\$ or US-5457286-\$ or US-5350310-\$ or US-5252086-\$ or US-5231562-\$ or US-6522737-\$ or US-6234830-\$ or US-5645434-\$ or US-6923684-\$ or US-6586849-\$ or US-6211581-\$ or US-6200159-\$ or US-5984731-\$ or US-4967041-\$ or US-6731484-\$ or US-6678140-\$ or US-6625000-\$ or US-6411486-\$ or US-6101079-\$ or US-6055147-\$ or US-5969932-\$ or US-5966282-\$). did. or (US-5953193-\$ or US-5911117-\$ or US-5786974-\$ or US-5701227-\$ or US-5132896-\$ or US-5010438-\$ or US-4918565-\$ or US-6466434-\$ or US-6215067-\$ or US-RE33560-\$ or US-6371780-\$ or US-6039578-\$ or US-5765698-\$ or US-5788087-\$ or US-4242721-\$ or US-4103985-\$ or US-6457992-\$ or US-6456496-\$ or US-6219252-\$). did.	US-PGPUB; USPAT	OR	ON	2006/07/27 16:10
S38	18	S37 and (surge adj suppress\$3) and (bus adj bar)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 16:19
S39	27	("1071279"   "2309183"   "2923849"   "2942225"   "3369153"   "4089032"   "4532574"   "4539541"   "4688135"   "4886468"   "4980801"   "5023747"   "5229909"   "5414587"   "5483212"   "5606299"   "5781844"   "5914845"   "6012937"   "6052951"   "6055147"   "6067483").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:43
S40	0	("6411486").URPN.	USPAT	OR	ON	2006/07/27 16:46

## EAST Search History

S41	38	("2749484"   "2752537"   "3177405"   "3193611"   "3337992"   "3478251"   "3670205"   "3725744"   "3955405"   "3992225"   "4161012"   "4191947"   "4417235"   "4602357"   "4612535"   "4642733"   "4698621"   "4794485"   "4797773"   "4876626"   "4912590"   "5053919"   "5130894"   "5177461"   "5311393"   "5394303"   "5500782"   "5508873"   "5568356"   "5602532"   "5701227"   "D371113").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:52
S42	5	("5969932").URPN.	USPAT	OR	ON	2006/07/27 16:55
S43	4	("4688135"   "5627720"   "5844763"   "5969932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:56
S44	16	("1716834"   "2277216"   "3579175"   "4217619"   "4554609"   "4584622"   "4659161"   "4775802"   "4930047"   "5071367"   "5334033"   "5418328"   "5579201"   "5658158").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:56
S45	27	("1990176"   "2269779"   "2307230"   "2320332"   "2453314"   "2457831"   "2640125"   "2952829"   "4085996"   "4641900"   "4659161"   "4867701"   "4875871"   "4909749"   "4954098"   "4955815"   "5071367"   "5292257"   "5334033").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:57
S46	19	("5658158").URPN.	USPAT	OR	ON	2006/07/27 16:58
S47	6	("5844763").URPN.	USPAT	OR	ON	2006/07/27 17:00
S48	4	("4158872"   "4683514"   "4692833"   "4729055").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:25
S49	124	surge adj suppress\$3 adj protect\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 18:49
S50	8	"4626823"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 18:49
S51	1	"4918565".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/28 14:12
S52	939	361/119.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/28 14:16

## EAST Search History

S53	2556	rj-45	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/28 15:47
S54	1348	(rj-45) and jack	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/28 15:47
S55	55	(surge adj suppress\$3) and (bus adj bar) and (jack or connector)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/28 17:28
S56	951	439/638.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/28 17:43
S57	10	439/620.18.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/28 17:43
S58	5	("4268109"   "4806117"   "4904209"   "6113432"   "6146207").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:15
S59	7	("3117829"   "3474389"   "3990764"   "4153327"   "4169751").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:16
S60	21	("4268109").URPN.	USPAT	OR	ON	2006/07/31 10:16
S61	21	("4268109").URPN.	USPAT	OR	ON	2006/07/31 10:19
S62	3	("4290664"   "5632656"   "5639262").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:20
S63	7	("4269470"   "4290664"   "4820192"   "5098316"   "5370541"   "5391095"   "5431586").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:21
S64	27	("2943272"   "3496555"   "3757028"   "3891815"   "4221458"   "4290664"   "4367908"   "4413469"   "4481379"   "4556264"   "4689441"   "4767355"   "4831497"   "4850887"   "4863393"   "4946401"   "5037320"   "5039824"   "5061209"   "5064387"   "5096441"   "5145401"   "5186647"   "5226835"   "5269708").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:21
S65	8	("5431586").URPN.	USPAT	OR	ON	2006/07/31 10:22
S66	7	("5370541").URPN.	USPAT	OR	ON	2006/07/31 10:23
S67	10	("5425172").URPN.	USPAT	OR	ON	2006/07/31 10:25
S68	1	("6373944").URPN.	USPAT	OR	ON	2006/07/31 10:26



## EAST Search History

S69	12	("4061411"   "4241974"   "4362905"   "4865561"   "4944698"   "5178554"   "5425172"   "5444451"   "5539821"   "5651690"   "5666408"   "5697815").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:26
S70	9	("2952744"   "3876273"   "3887771"   "4047787"   "4050768"   "4061411"   "4129350"   "4178062").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:27
S71	4	("4651418"   "5129841"   "5425172"   "6113432").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:28
S72	2	("6364715").URPN.	USPAT	OR	ON	2006/07/31 10:28
S73	5	("4541174"   "4790769"   "5145401"   "5304074"   "5328390").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 10:28
S74	10	("5425172").URPN.	USPAT	OR	ON	2006/07/31 10:28
S75	1	"5984731".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 15:18
S76	0	361/394.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 15:19
S77	623	361/730.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 15:28
S78	423	361/729.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 15:28
S79	340	361/735.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 15:41
S80	792	361/728.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 15:47
S81	161	439/215.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 15:47
S82	5	("4076356"   "4084869"   "4149764"   "5242310"   "6176743").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:15
S83	6	("6364713").URPN.	USPAT	OR	ON	2006/08/01 16:16

## EAST Search History

S84	109	(US-20030176100-\$ or US-20040201940-\$).did. or (US-6234830-\$ or US-4967041-\$ or US-5231562-\$ or US-6042426-\$ or US-6843669-\$ or US-6211581-\$ or US-6329616-\$ or US-6760218-\$ or US-7001211-\$ or US-6669513-\$ or US-6028267-\$ or US-5457286-\$ or US-5459643-\$ or US-5350310-\$ or US-6379182-\$ or US-4930047-\$ or US-6586849-\$ or US-6123577-\$ or US-6979209-\$ or US-5944535-\$ or US-6872086-\$ or US-6522737-\$ or US-5492478-\$ or US-4797124-\$ or US-6761585-\$ or US-6923684-\$). did. or (US-6015307-\$ or US-6540554-\$ or US-5645434-\$ or US-5252086-\$ or US-5984731-\$ or US-4792881-\$ or US-4654756-\$ or US-5838548-\$ or US-6200159-\$ or US-6881898-\$ or US-6750410-\$ or US-6547602-\$ or US-6608764-\$ or US-5158472-\$ or US-6004157-\$ or US-6371780-\$ or US-6146207-\$ or US-5425172-\$ or US-5328390-\$ or US-4712232-\$ or US-5466165-\$ or US-4303296-\$ or US-5383799-\$ or US-4239316-\$ or US-6731484-\$ or US-6678140-\$ or US-6411486-\$). did. or (US-6101079-\$ or US-6055147-\$ or US-5969932-\$ or US-5953193-\$ or US-5786974-\$ or US-5701227-\$ or US-5132896-\$ or US-5010438-\$ or US-6466434-\$ or US-6625000-\$ or US-5966282-\$ or US-5911117-\$ or US-4918565-\$ or US-6215067-\$ or US-6039578-\$ or US-5765698-\$ or US-5788087-\$ or US-RE33560-\$ or US-4242721-\$ or US-4103985-\$ or US-6457992-\$ or US-6456496-\$ or US-D452863-\$ or US-5370541-\$ or US-6012937-\$ or US-4688135-\$ or US-5053919-\$). did. or (US-5071367-\$ or US-6219252-\$ or US-5844763-\$ or US-5658158-\$ or US-5334033-\$ or US-4867701-\$ or US-5627720-\$ or US-6282075-\$ or US-5790360-\$ or US-6383028-\$ or US-6364713-\$ or US-6343957-\$ or US-6340314-\$ or US-6340313-\$ or US-6113432-\$ or US-5697815-\$ or US-4904209-\$ or US-4806117-\$ or US-4651418-\$ or US-4392701-\$ or US-4362905-\$ or US-4268109-\$ or US-4367908-\$ or US-5632656-\$ or US-5431586-\$ or US-6373944-\$ or US-6609929-\$). did.	US-PGPUB; USPAT	OR	ON	2006/09/12 10:45
9/27/2006 6:52:18 PM C:\Documents and Settings\nguyen21\My Documents\EAST\Workspaces\10522090_SURGESUPPRESSION.wsp						

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## EAST Search History

S85	19	capacitor and S84	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 10:46
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## EAST Search History

S86	109	(US-20030176100-\$ or US-20040201940-\$).did. or (US-5765698-\$ or US-4392701-\$ or US-4367908-\$ or US-4362905-\$ or US-4303296-\$ or US-4268109-\$ or US-4242721-\$ or US-5786974-\$ or US-6371780-\$ or US-5252086-\$ or US-4239316-\$ or US-4103985-\$ or US-5370541-\$ or US-5788087-\$ or US-5697815-\$ or US-4797124-\$ or US-5328390-\$ or US-5790360-\$ or US-5010438-\$ or US-5053919-\$ or US-5231562-\$ or US-6457992-\$ or US-6466434-\$ or US-6219252-\$ or US-6101079-\$ or US-6113432-\$). did. or (US-6234830-\$ or US-6282075-\$ or US-6123577-\$ or US-4904209-\$ or US-6329616-\$ or US-D452863-\$ or US-6340313-\$ or US-6340314-\$ or US-4792881-\$ or US-7001211-\$ or US-5158472-\$ or US-6586849-\$ or US-6608764-\$ or US-6373944-\$ or US-5632656-\$ or US-5645434-\$ or US-5627720-\$ or US-4806117-\$ or US-4867701-\$ or US-5459643-\$ or US-6146207-\$ or US-6200159-\$ or US-5466165-\$ or US-5492478-\$ or US-4967041-\$ or US-6379182-\$ or US-6383028-\$). did. or (US-6625000-\$ or US-6669513-\$ or US-6547602-\$ or US-6678140-\$ or US-4930047-\$ or US-6760218-\$ or US-6761585-\$ or US-5334033-\$ or US-5457286-\$ or US-4918565-\$ or US-6211581-\$ or US-6215067-\$ or US-4688135-\$ or US-4712232-\$ or US-5969932-\$ or US-5984731-\$ or US-6456496-\$ or US-5966282-\$ or US-5838548-\$ or US-5844763-\$ or US-6004157-\$ or US-6028267-\$ or US-5944535-\$ or US-5953193-\$ or US-6979209-\$ or US-6012937-\$ or US-6015307-\$). did. or (US-6843669-\$ or US-5383799-\$ or US-5425172-\$ or US-5431586-\$ or US-6609929-\$ or US-5658158-\$ or US-6055147-\$ or US-6039578-\$ or US-6042426-\$ or US-RE33560-\$ or US-5911117-\$ or US-6872086-\$ or US-6731484-\$ or US-6750410-\$ or US-6522737-\$ or US-6540554-\$ or US-6881898-\$ or US-6923684-\$ or US-5071367-\$ or US-5132896-\$ or US-4651418-\$ or US-5350310-\$ or US-6411486-\$ or US-6343957-\$ or US-6364713-\$ or US-5701227-\$ or US-4654756-\$). did.	US-PGPUB; USPAT	OR	ON	2006/09/12 10:53
9/27/2006 6:52:18 PM C:\Documents and Settings\nguyen21\My Documents\EAST\Workspaces\10522090_SURGESUPPRESSION.wsp						

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## EAST Search History

S87	19	S86 and capacitor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 10:53
S88	1	"5592178".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:11
S89	1	"5410750".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:14
S90	1	"5410750".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:19
S91	1	"5058172".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:19
S92	1	("4960392").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 13:26
S93	2	("3614694"   "4818957").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 13:26
S94	9	("4960392").URPN.	USPAT	OR	ON	2006/09/12 13:27
S95	9	("4960392").URPN.	USPAT	OR	ON	2006/09/12 13:27
S96	6	("5058172").URPN.	USPAT	OR	ON	2006/09/12 13:31
S97	1	"6831822".PN.	USPAT	OR	ON	2006/09/12 13:33
S98	1	"6717301".PN.	USPAT	OR	ON	2006/09/12 13:33
S99	7	("4329605"   "4795951"   "5420553"   "6018448"   "6055141"   "6509807"   "6594128").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 13:33
S10 0	11	("6717301").URPN.	USPAT	OR	ON	2006/09/12 13:36
S10 1	1	"6819572".PN.	USPAT	OR	ON	2006/09/12 13:36
S10 2	13	("20010026440"   "20020079566"   "4933605"   "5023525"   "5457300"   "5638895"   "5703416"   "6044899"   "6122169"   "6134505"   "6208516"   "6243680"   "6583682").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/12 13:37
S10 3	1	("2001/0026440").URPN.	USPAT	OR	ON	2006/09/12 13:40
S10 4	1	"5481533".PN.	USPAT	OR	ON	2006/09/12 13:41
S10 5	1	"6175587".PN.	USPAT	OR	ON	2006/09/12 13:41

## EAST Search History

S10 6	1	"6175588".PN.	USPAT	OR	ON	2006/09/12 13:41
S10 7	1	"5562498".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 10:23
S10 8	5	("4894015"   "5157583"   "5242318"   "5286221"   "5327326").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 10:23
S10 9	5	("4894015"   "5157583"   "5242318"   "5286221"   "5327326").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 10:52
S11 0	3	("5562498").URPN.	USPAT	OR	ON	2006/09/25 10:54
S11 1	1	"5622524".pn.	USPAT	OR	ON	2006/09/25 10:54
S11 2	2	("4970476"   "5370555").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 10:55
S11 3	3	("5622524").URPN.	USPAT	OR	ON	2006/09/25 10:55
S11 4	3	("5622524").URPN.	USPAT	OR	ON	2006/09/25 10:57
S11 5	46	(US-20040201940-\$).did. or (US-5457286-\$ or US-5984731-\$ or US-6329616-\$ or US-6379182-\$ or US-6881898-\$ or US-5456619-\$ or US-6594128-\$ or US-5614696-\$ or US-5789725-\$ or US-5792988-\$ or US-4960392-\$ or US-6625000-\$ or US-6055147-\$ or US-5788087-\$ or US-6411486-\$ or US-5010438-\$ or US-RE33560-\$ or US-5966282-\$ or US-6731484-\$ or US-6678140-\$ or US-4242721-\$ or US-6219252-\$ or US-6456496-\$ or US-5953193-\$ or US-5844763-\$ or US-5627720-\$). did. or (US-5658158-\$ or US-4688135-\$ or US-4918565-\$ or US-5790360-\$ or US-6282075-\$ or US-6383028-\$ or US-5969932-\$ or US-5701227-\$ or US-5286221-\$ or US-5242318-\$ or US-5157583-\$ or US-4894015-\$ or US-5562498-\$ or US-6700455-\$ or US-6186834-\$ or US-5622524-\$ or US-5370555-\$ or US-6777619-\$ or US-6491547-\$). did.	US-PGPUB; USPAT	OR	ON	2006/09/25 11:36
S11 6	20	S115 and capacitor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 11:37

## EAST Search History

S11 7	20	S115 and capacitor and circuit	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 11:37
S11 8	13	("2841508"   "3200355"   "3447104"   "3538464"   "4729752"   "4791391"   "4931754"   "4959626"   "5032809").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:50
S11 9	16	("5242318").URPN.	USPAT	OR	ON	2006/09/25 13:54
S12 0	1841	361/818.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 14:06
S12 1	75	361/818.ccls. and capacitor\$1 and circuit and insulat\$3 and hous\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 14:07
S12 2	9	("5186647"   "5299956"   "5362257"   "5547405"   "5562498"   "5580270"   "5967828"   "5975919"   "6042427").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 14:43
S12 3	19	("6186834").URPN.	USPAT	OR	ON	2006/09/25 14:45

## EAST Search History

S12 4	88	(US-20040201940-\$).did. or (US-5457286-\$ or US-5984731-\$ or US-6329616-\$ or US-6379182-\$ or US-6881898-\$ or US-5456619-\$ or US-6594128-\$ or US-5614696-\$ or US-5789725-\$ or US-5792988-\$ or US-4960392-\$ or US-6625000-\$ or US-6055147-\$ or US-5788087-\$ or US-6411486-\$ or US-5010438-\$ or US-RE33560-\$ or US-5966282-\$ or US-6731484-\$ or US-6678140-\$ or US-4242721-\$ or US-6219252-\$ or US-6456496-\$ or US-5953193-\$ or US-5844763-\$ or US-5627720-\$). did. or (US-5658158-\$ or US-4688135-\$ or US-4918565-\$ or US-5790360-\$ or US-6282075-\$ or US-6383028-\$ or US-5969932-\$ or US-5701227-\$ or US-5286221-\$ or US-5242318-\$ or US-5157583-\$ or US-4894015-\$ or US-5562498-\$ or US-6700455-\$ or US-6186834-\$ or US-5622524-\$ or US-5370555-\$ or US-6777619-\$ or US-6491547-\$ or US-4959626-\$ or US-4931754-\$ or US-4791391-\$ or US-4729752-\$ or US-7019219-\$ or US-6794578-\$ or US-6776661-\$ or US-6723928-\$). did. or (US-6646858-\$ or US-6506079-\$ or US-6030234-\$ or US-5704810-\$ or US-5603640-\$ or US-5459443-\$ or US-5456616-\$ or US-6195244-\$ or US-5999400-\$ or US-5739463-\$ or US-5473109-\$ or US-4744006-\$ or US-6042427-\$ or US-5580270-\$ or US-5547405-\$ or US-5362257-\$ or US-5299956-\$ or US-5186647-\$ or US-7074092-\$ or US-7052328-\$ or US-7037140-\$ or US-6994594-\$ or US-6974352-\$ or US-6932655-\$ or US-6923672-\$ or US-6916209-\$ or US-6896557-\$). did. or (US-6893296-\$ or US-6840816-\$ or US-6796847-\$ or US-6749466-\$ or US-6695649-\$ or US-6547604-\$ or US-6394854-\$). did.	US-PGPUB; USPAT	OR	ON	2006/09/25 14:47
S12 5	0	S124 and cicuit and capacitor\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 14:48
S12 6	39	S124 and circuit and capacitor\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 15:44



## EAST Search History

S12 7	1148	439/676.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 15:44
S12 8	58	("20030003810"   "3565807"   "4153325"   "4392701"   "4409608"   "4651340"   "4731833"   "4756695"   "4767338"   "4968260"   "4975078"   "5044981"   "5055966"   "5069641"   "5091826"   "5178554"   "5186647"   "5228872"   "5295869"   "5299956"   "5326284"   "5399106"   "5414393"   "5431584"   "5432484"   "5435752"   "5488201"   "5513065"   "5577937"   "5586914"   "5626497"   "5636099"   "5679027"   "5697817"   "5700167"   "5716237"   "5779503"   "5791943"   "5885111"   "5941734"   "5975960"   "6093059"   "6099357"   "6102741"   "6116964"   "6120330"   "6139368"   "6183306"   "6186834"   "6196880"   "6234836"   "6334792"   "6371793"   "6409547"   "6464541"   "6524131"   "6558207").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:00
S12 9	140	493/941.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:00
S13 0	204	(interference adj suppress\$3) and capacitor\$1 and (plug\$1 or pin\$1 or connector\$1) and insulat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:02
S13 1	0	("2005/0221638").URPN.	USPAT	OR	ON	2006/09/25 16:03
S13 2	0	("2005/0221638").URPN.	USPAT	OR	ON	2006/09/25 16:09
S13 3	1	"5562498".pn.	USPAT	OR	ON	2006/09/25 16:09
S13 4	5	("4894015"   "5157583"   "5242318"   "5286221"   "5327326").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:10
S13 5	7	("4761147"   "4854890"   "5080596"   "5112233"   "5180312"   "5213522"   "5224878").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:13
S13 6	154	439/344.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:13
S13 7	5	("3002162"   "3538464"   "4371226").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:17

## EAST Search History

S13 8	1086	439/76.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:22
S13 9	44207	(pin\$1 or plug\$1 or connector\$1) and capacitor and filter	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:23
S14 0	44207	(pin\$1 or plug\$1 or connector\$1) and capacitor and filter and capacitor\$1	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:23
S14 1	44207	(pin\$1 or plug\$1 or connector\$1) and capacitor and filter	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:23
S14 2	44208	(pin\$1 or plug\$1 or connector\$1) and capacitor\$1 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:24
S14 3	136383	(pin\$1 or plug\$1 or connector\$1) and capacitor\$1 and filter (circuit adj board or (pcb)) and layer\$1	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:25
S14 4	118481	(pin\$1 or plug\$1 or connector\$1) and capacitor\$1 and filter (circuit adj board or (pcb)) and insulat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:26
S14 5	44208	(pin\$1 or plug\$1 or connector\$1) and capacitor\$1 and filter (circuit adj board or (pcb)) and insulat\$3 and (interference adj suppress\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:26
S14 6	5	("3002162"   "3538464"   "4371226").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:27
S14 7	23	("4761147").URPN.	USPAT	OR	ON	2006/09/25 16:28
S14 8	7	("3200355"   "3538464"   "4761147"   "4784618"   "4791391").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:31
S14 9	45	("3267342"   "3490055"   "3496435"   "3538464"   "3544434"   "3582729"   "3600652"   "3679943"   "3710285"   "3714709"   "3745431"   "3746662"   "3753170"   "3864159"   "3900773"   "3996502"   "4007296"   "4020430"   "4030004"   "4079343"   "4083022"   "4126840"   "4144509"   "4181903"   "4187481"   "4220547"   "4241378"   "4262268"   "4274124"   "4276523"   "4308571"   "4349862"   "4356530"   "4362350"   "4407552"   "4424551"   "4457574"   "4494092").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:32

## EAST Search History

S15 0	2	("3743979"   "3825874").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:34
S15 1	17	("4457574").URPN.	USPAT	OR	ON	2006/09/25 16:34
S15 2	7	("3456215"   "3961294"   "4079343"   "4212510"   "4215326"   "4276523").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:41
S15 3	32	("4407552").URPN.	USPAT	OR	ON	2006/09/25 16:42
S15 4	7	("4212510"   "4407552"   "4729752"   "4795991"   "4799901"   "4906209"   "4983935").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:44
S15 5	10	("3048812"   "3663930"   "4066326"   "4186982"   "4362353"   "4519665"   "4641907"   "4641910"   "4648681").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:45
S15 6	7	("4906209").URPN.	USPAT	OR	ON	2006/09/25 16:47
S15 7	25	("3267342"   "3273033"   "3483447"   "3538464"   "3619744"   "3784887"   "3878443"   "3902102"   "4144509"   "4262268"   "4407552"   "4458220"   "4494092"   "4631633"   "4643509"   "4653838"   "4673237"   "4679013"   "4682129"   "4690479"   "4733328").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 16:56
S15 8	8	("3002162"   "3721869"   "4079343"   "4126370"   "4144509"   "4494092"   "4519665").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 17:02
S15 9	0	439/620.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 17:02
S16 0	132	439/620.09.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 17:02
S16 1	4	("3504328"   "4431251"   "4600256").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 17:03
S16 2	17	("4673237").URPN.	USPAT	OR	ON	2006/09/25 17:03

## EAST Search History

S16 3	109	(US-20040201940-\$ or US-20050221638-\$).did. or (US-5457286-\$ or US-5984731-\$ or US-6329616-\$ or US-6379182-\$ or US-6881898-\$ or US-5456619-\$ or US-6594128-\$ or US-5614696-\$ or US-5789725-\$ or US-5792988-\$ or US-4960392-\$ or US-6625000-\$ or US-6055147-\$ or US-5788087-\$ or US-6411486-\$ or US-5010438-\$ or US-RE33560-\$ or US-5966282-\$ or US-6731484-\$ or US-6678140-\$ or US-4242721-\$ or US-6219252-\$ or US-6456496-\$ or US-5953193-\$ or US-5844763-\$ or US-5627720-\$). did. or (US-5658158-\$ or US-4688135-\$ or US-4918565-\$ or US-5790360-\$ or US-6282075-\$ or US-6383028-\$ or US-5969932-\$ or US-5701227-\$ or US-5286221-\$ or US-5242318-\$ or US-5157583-\$ or US-4894015-\$ or US-5562498-\$ or US-6700455-\$ or US-6186834-\$ or US-5622524-\$ or US-5370555-\$ or US-6777619-\$ or US-6491547-\$ or US-4959626-\$ or US-4931754-\$ or US-4791391-\$ or US-4729752-\$ or US-7019219-\$ or US-6794578-\$ or US-6776661-\$ or US-6723928-\$). did. or (US-6646858-\$ or US-6506079-\$ or US-6030234-\$ or US-5704810-\$ or US-5603640-\$ or US-5459443-\$ or US-5456616-\$ or US-6195244-\$ or US-5999400-\$ or US-5739463-\$ or US-5473109-\$ or US-4744006-\$ or US-6042427-\$ or US-5580270-\$ or US-5547405-\$ or US-5362257-\$ or US-5299956-\$ or US-5186647-\$ or US-7074092-\$ or US-7052328-\$ or US-7037140-\$ or US-6994594-\$ or US-6974352-\$ or US-6932655-\$ or US-6923672-\$ or US-6916209-\$ or US-6896557-\$). did. or (US-6893296-\$ or US-6840816-\$ or US-6796847-\$ or US-6749466-\$ or US-6695649-\$ or US-6547604-\$ or US-6394854-\$ or US-5716237-\$ or US-4761147-\$ or US-5246387-\$ or US-4457574-\$ or US-4407552-\$ or US-5081434-\$ or US-4906209-\$ or US-4930200-\$ or US-4929196-\$ or US-4853659-\$ or US-4690479-\$ or US-4679013-\$ or US-4673237-\$ or US-5599208-\$ or US-5236376-\$ or US-4653838-\$ or US-4643509-\$ or US-4784618-\$ or US-4262268-\$ or US-4126840-\$). did.	US-PGPUB; USPAT	OR	ON	2006/09/25 17:19
9/27/2006 6:52:18 PM C:\Documents and Settings\nguyen21\My Documents\EAST\Workspaces\10522090_SURGESUPPRESSION.wsp					Page 20	

## EAST Search History

S16 4	56	S163 and capacitor\$1 and circuit	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/25 17:19
S16 5	5	("4894015"   "5157583"   "5242318"   "5286221"   "5327326").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 18:01
S16 6	3	("5562498").URPN.	USPAT	OR	ON	2006/09/25 18:03
S16 7	7	("3200355"   "3538464"   "4761147"   "4784618"   "4791391").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 18:16
S16 8	7	("4212510"   "4407552"   "4729752"   "4795991"   "4799901"   "4906209"   "4983935").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 18:29
S16 9	6	("5081434").URPN.	USPAT	OR	ON	2006/09/25 18:45
S17 0	30	439/620.16.ccls.	USPAT	OR	ON	2006/09/25 18:45
S17 1	613	439/608.ccls.	USPAT	OR	ON	2006/09/25 18:45
S17 2	418	29/876.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 09:40
S17 3	98	29/881.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:04
S17 4	0	361/399.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:38
S17 5	0	361/400.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:39
S17 6	0	361/401.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:39
S17 7	0	439/620.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:45
S17 8	129	439/620.09.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:46
S17 9	79	439/620.09.ccls. and filter	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:47
S18 0	74	439/620.09.ccls. and filter and capacitor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:48

## EAST Search History

S18 1	64	439/620.09.ccls. and filter and capacitor and circuit	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:49
S18 2	89	439/620.09.ccls. and capacitor and circuit	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 10:49
S18 3	31	("4589720"   "4703984"   "4726790"   "4729743"   "4781624"   "4804332"   "4820174"   "4929196"   "5057041"   "5094629"   "5102354"   "5112253"   "5147223"   "5149274"   "5151054"   "5152699"   "5158482"   "5213522"   "5224878"   "5246387"   "5266054"   "5286221"   "5344342"   "5397250"   "5415569"   "5513065"   "5624277"   "5647767"   "5686697"   "5704810"   "5865648").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/26 11:12
S18 4	8	439/620.16.ccls. and capacitor and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:06
S18 5	7	439/620.17.ccls. and capacitor and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:13
S18 6	5	439/620.19.ccls. and capacitor and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:17
S18 7	9	439/620.22.ccls. and capacitor and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:32
S18 8	1	"4023319".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:24
S18 9	27	"4023319"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 14:32
S19 0	0	439/620.29.ccls. and capacitor and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:34
S19 1	10	439/620.12.ccls. and capacitor and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:36
S19 2	52	439/76.1.ccls. and capacitor and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 14:37

## EAST Search History

S19 3	3277	PLUG AND HOUSING AND CAPACITOR AND (PRINTED ADJ CIRCUIT ADJ BOARD)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 16:00
S19 4	26	PLUG AND HOUSING AND CAPACITOR AND (PRINTED ADJ CIRCUIT ADJ BOARD) AND (INTERFERENCE ADJ SUPPRESSION)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 16:00
S19 5	1	PLUG AND (HOUSING ADJ INTERIOR) AND (HOUSING ADJ EXTERIOR) AND CAPACITOR AND (PRINTED ADJ CIRCUIT ADJ BOARD) AND (INTERFERENCE ADJ SUPPRESSION)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/26 16:01